

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P560848

Luminaire Tested: **SDL-PA1-70-722-U-T2U-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560848
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-6)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-70-722-U-T2U-HSS
Description: Springdale
(1) 70 CRI, 2200K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4514.3 lumens
Efficiency: N/A
Efficacy: 62.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 72.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

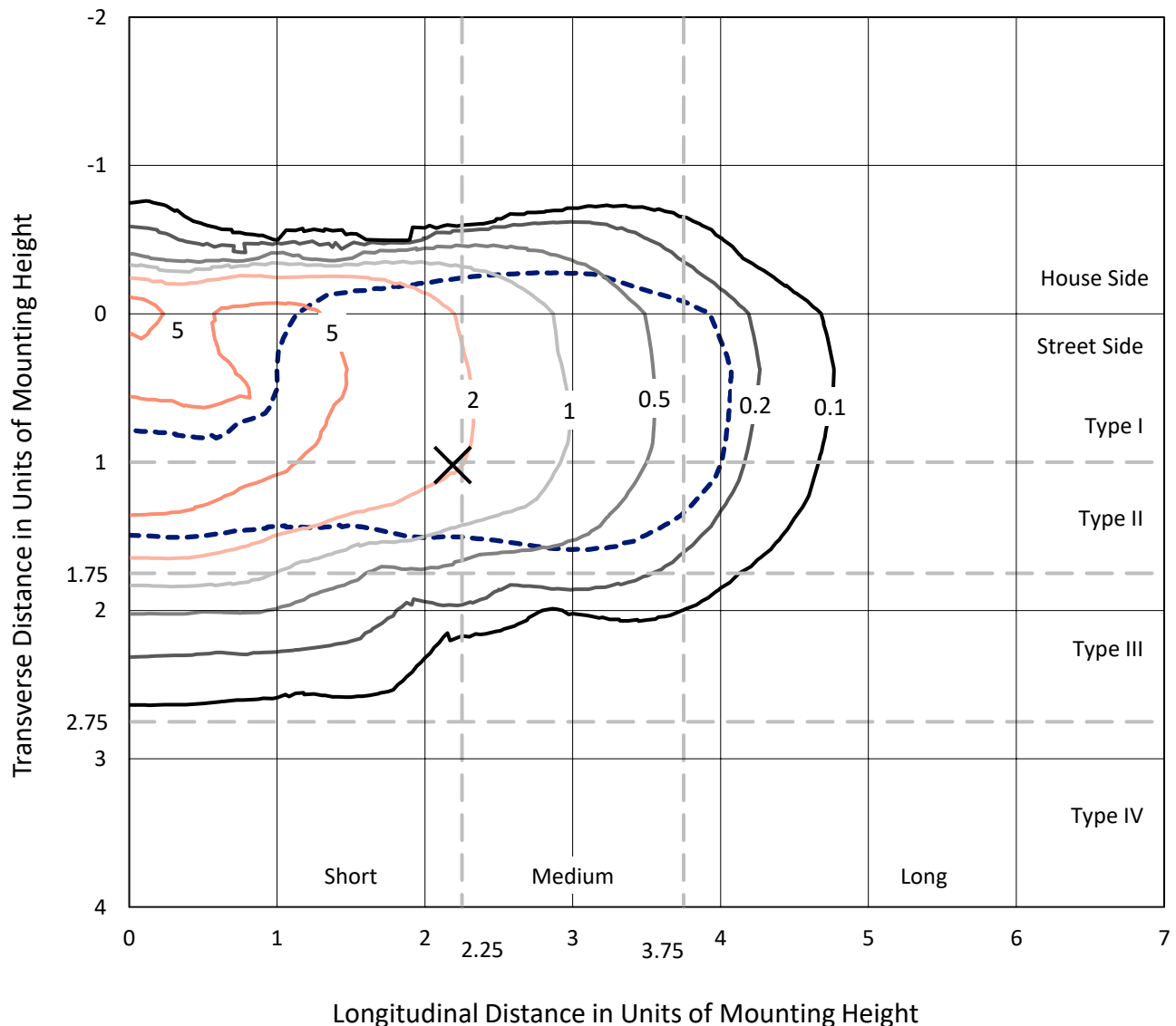


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

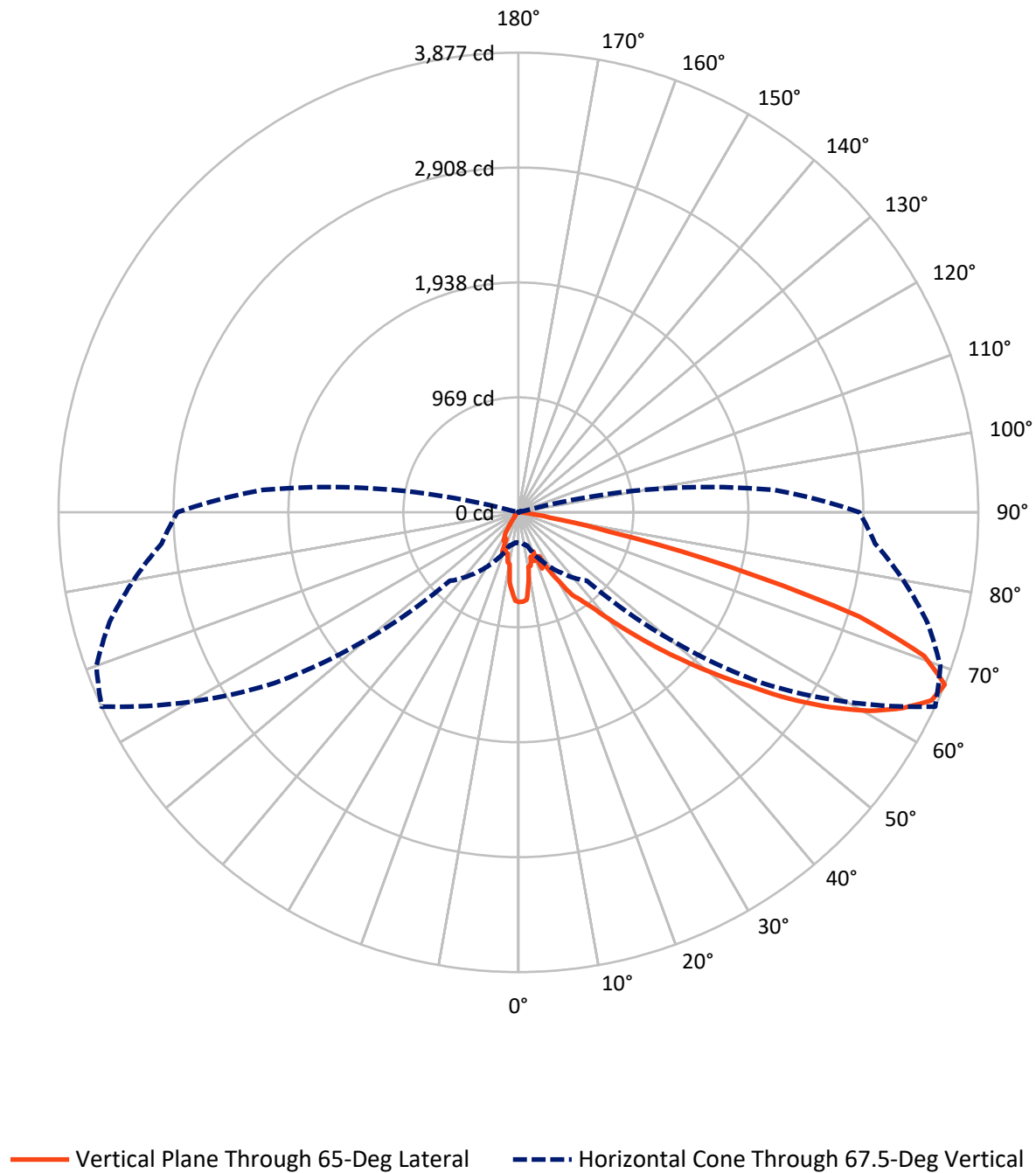


Based on 10 foot mounting height. Maximum calculated value = 10 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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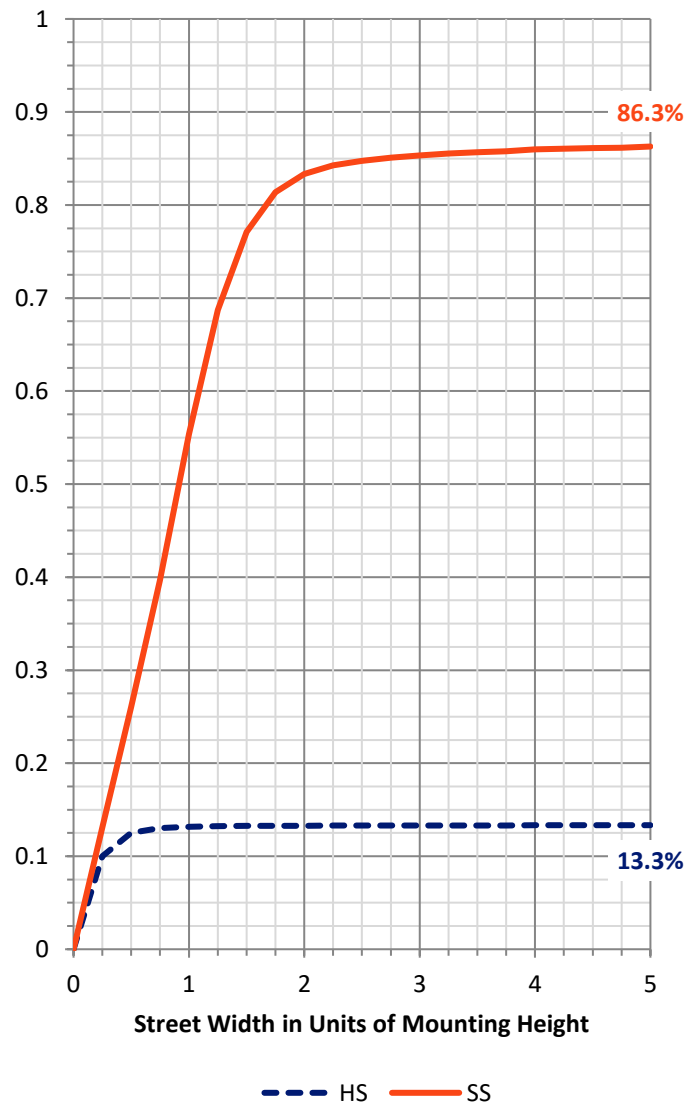
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	610.4	0.0	610.4
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	3903.9	0.0	3903.9
	% Fixture	86.5	0.0	86.5
Total	Lumens	4514.3	0.0	4514.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.0	1.3
10°-20°	112.2	2.5
20°-30°	169.4	3.8
30°-40°	390.3	8.6
40°-50°	856.1	19.0
50°-60°	1256.8	27.8
60°-70°	1091.6	24.2
70°-80°	541.3	12.0
80°-90°	38.5	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4514.3	100.0
0°-180°	4514.3	100.0

Coefficient of Utilization



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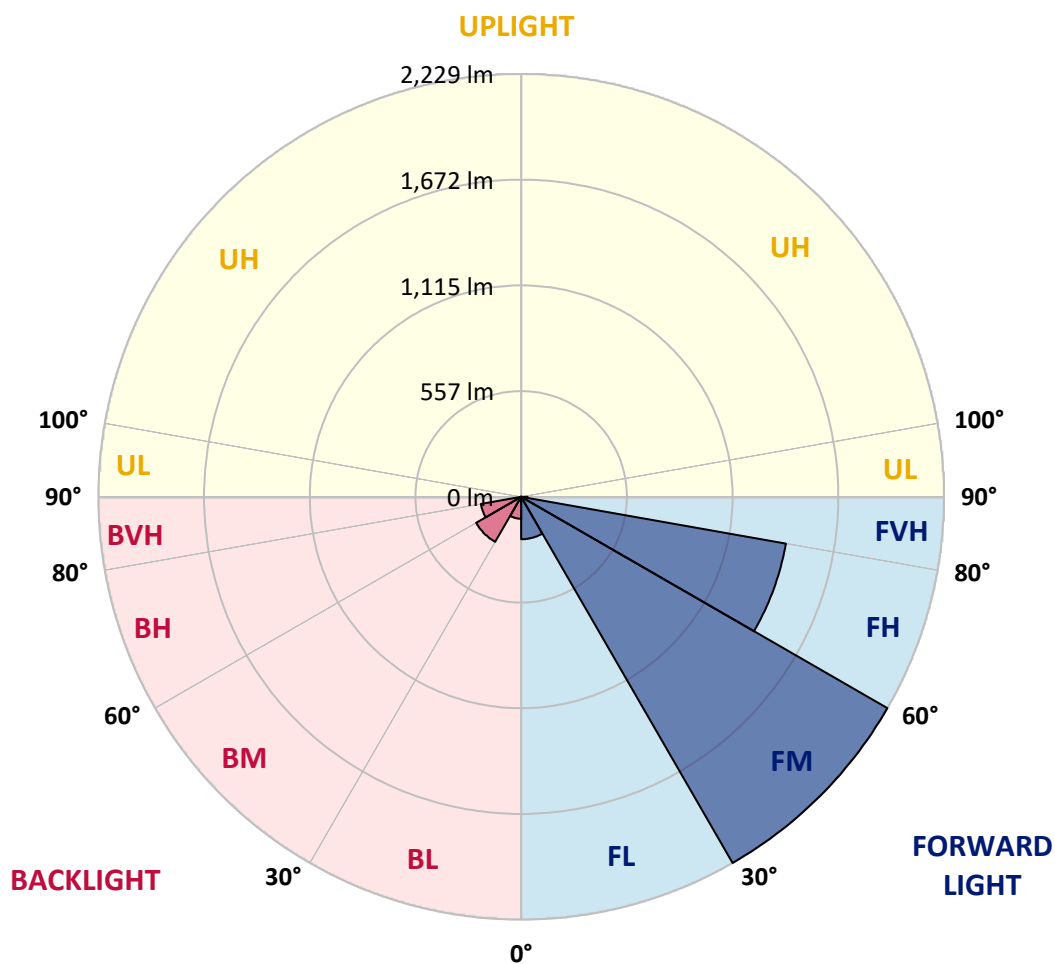
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	223.7	5.0			
FM	(30°-60°)	2229.0	49.4			
FH	(60°-80°)	1417.3	31.4			G1/1800
FVH	(80°-90°)	33.8	0.7			G1/100
BL	(0°-30°)	115.9	2.6	B1/500		
BM	(30°-60°)	274.2	6.1	B1/1000		
BH	(60°-80°)	215.7	4.8	B1/500		G1/500
BVH	(80°-90°)	4.6	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	755.8	755.8	755.8	755.8	755.8	755.8	755.8	755.8	755.8	755.8	755.8
2.5°	632.9	685.2	701.1	717.1	730.7	744.4	746.7	749.0	753.5	755.8	758.1
5°	619.2	621.5	621.5	619.2	621.5	623.7	623.7	623.7	623.7	623.7	626.0
7.5°	496.3	555.5	573.7	589.6	598.7	605.5	610.1	612.4	614.6	616.9	619.2
10°	598.7	596.4	598.7	598.7	601.0	601.0	548.6	496.3	514.5	530.4	503.1
12.5°	475.8	523.6	544.1	564.6	578.2	589.6	566.8	541.8	494.0	443.9	446.2
15°	573.7	573.7	573.7	573.7	530.4	484.9	455.3	423.4	448.5	471.2	425.7
17.5°	462.1	462.1	503.1	544.1	544.1	541.8	512.2	480.3	416.6	352.8	409.8
20°	571.4	571.4	573.7	575.9	500.8	425.7	450.7	473.5	482.6	491.7	471.2
22.5°	466.7	466.7	473.5	478.1	505.4	532.7	459.8	387.0	446.2	505.4	464.4
25°	603.3	605.5	610.1	612.4	544.1	473.5	505.4	537.2	473.5	409.8	473.5
27.5°	546.3	537.2	537.2	535.0	557.7	578.2	532.7	487.2	528.1	569.1	521.3
30°	767.2	760.3	751.2	742.1	655.6	569.1	571.4	571.4	555.5	539.5	566.8
32.5°	1063.1	1051.7	974.3	896.9	833.2	769.4	703.4	637.4	660.2	680.7	667.0
35°	1427.3	1427.3	1354.5	1281.6	1138.2	994.8	883.3	769.4	760.3	751.2	764.9
37.5°	1859.9	1814.3	1727.8	1641.3	1463.8	1283.9	1113.2	942.5	922.0	899.2	876.4
40°	2180.8	2174.0	2108.0	2042.0	1823.4	1604.9	1404.6	1202.0	1135.9	1067.7	1017.6
42.5°	2515.5	2490.4	2438.1	2383.4	2162.6	1939.5	1725.5	1509.3	1418.2	1327.2	1238.4
45°	2756.8	2750.0	2704.4	2658.9	2479.1	2296.9	2073.8	1848.5	1789.3	1730.1	1563.9
47.5°	2907.0	2868.3	2850.1	2829.6	2674.8	2520.0	2331.1	2139.9	2130.8	2119.4	1909.9
50°	2861.5	2827.4	2831.9	2836.5	2761.3	2686.2	2542.8	2397.1	2422.1	2447.2	2274.2
52.5°	2620.2	2590.6	2631.6	2670.3	2668.0	2665.7	2613.4	2558.7	2649.8	2738.6	2620.2
55°	2137.6	2158.1	2240.0	2322.0	2376.6	2429.0	2504.1	2576.9	2750.0	2920.7	2897.9
57.5°	1675.5	1721.0	1805.2	1887.2	1976.0	2062.5	2221.8	2381.2	2672.6	2961.7	3061.8
60°	1124.6	1154.2	1302.1	1447.8	1529.8	1611.7	1784.7	1955.5	2351.6	2745.4	3007.2
62.5°	698.9	714.8	799.0	883.3	1049.4	1215.6	1302.1	1386.4	1814.3	2240.0	2724.9
65°	430.2	425.7	459.8	491.7	655.6	817.2	874.2	928.8	1213.3	1495.6	2249.1
67.5°	257.2	255.0	273.2	291.4	366.5	441.6	530.4	619.2	719.4	817.2	1666.4
70°	209.4	214.0	220.8	227.6	248.1	268.6	350.6	432.5	430.2	428.0	1001.6
72.5°	175.3	179.8	193.5	204.9	220.8	234.5	282.3	327.8	307.3	286.8	478.1
75°	129.8	132.0	150.2	166.2	191.2	214.0	225.4	234.5	225.4	216.3	241.3
77.5°	86.5	86.5	102.4	118.4	143.4	168.5	182.1	195.8	179.8	163.9	170.7
80°	54.6	54.6	63.7	70.6	95.6	120.7	136.6	152.5	138.9	122.9	120.7
82.5°	31.9	34.1	38.7	43.3	59.2	75.1	86.5	97.9	113.8	127.5	102.4
85°	13.7	15.9	20.5	22.8	31.9	38.7	45.5	52.4	66.0	79.7	66.0
87.5°	2.3	2.3	4.6	6.8	9.1	11.4	11.4	11.4	11.4	9.1	11.4
90°	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.6

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	755.8	755.8	755.8	755.8	755.8	755.8	755.8	755.8	755.8	755.8	755.8
2.5°	758.1	755.8	753.5	753.5	753.5	751.2	749.0	749.0	749.0	746.7	744.4
5°	626.0	682.9	739.8	742.1	746.7	744.4	742.1	739.8	737.6	735.3	730.7
7.5°	619.2	614.6	610.1	594.2	648.8	648.8	646.5	646.5	642.0	623.7	605.5
10°	473.5	471.2	466.7	473.5	484.9	523.6	560.0	557.7	550.9	507.6	464.4
12.5°	448.5	455.3	462.1	439.4	396.1	432.5	468.9	464.4	459.8	421.1	380.2
15°	380.2	384.7	389.3	425.7	491.7	525.9	557.7	553.2	548.6	503.1	455.3
17.5°	466.7	448.5	430.2	455.3	432.5	448.5	464.4	446.2	432.5	414.3	396.1
20°	448.5	400.7	352.8	425.7	509.9	537.2	564.6	557.7	544.1	500.8	455.3
22.5°	421.1	468.9	514.5	491.7	450.7	425.7	400.7	389.3	380.2	382.4	384.7
25°	535.0	473.5	409.8	519.0	585.0	594.2	601.0	580.5	557.7	509.9	459.8
27.5°	471.2	516.8	560.0	603.3	626.0	632.9	637.4	667.0	619.2	555.5	491.7
30°	594.2	632.9	671.6	767.2	844.6	858.2	871.9	837.7	799.0	721.6	644.2
32.5°	653.3	742.1	828.6	874.2	906.0	917.4	928.8	883.3	840.0	739.8	637.4
35°	776.3	842.3	908.3	960.7	1022.1	1024.4	1026.7	976.6	922.0	776.3	630.6
37.5°	851.4	937.9	1022.1	1081.3	1176.9	1170.1	1163.3	1104.1	1038.1	833.2	628.3
40°	965.2	1076.8	1186.0	1242.9	1359.0	1338.6	1318.1	1249.8	1176.9	894.6	612.4
42.5°	1149.6	1268.0	1386.4	1434.2	1561.6	1538.9	1513.8	1422.8	1329.4	944.7	560.0
45°	1395.5	1502.5	1609.5	1693.7	1793.8	1757.4	1721.0	1623.1	1486.5	988.0	489.4
47.5°	1698.2	1777.9	1857.6	2023.8	2096.6	2023.8	1948.6	1830.3	1657.3	1024.4	391.5
50°	2101.2	2119.4	2135.3	2342.5	2415.3	2303.8	2192.2	2039.7	1832.5	1065.4	295.9
52.5°	2499.5	2465.4	2429.0	2652.1	2679.4	2531.4	2381.2	2221.8	1962.3	1088.1	211.7
55°	2875.2	2827.4	2777.3	2936.6	2918.4	2722.6	2526.9	2333.4	2042.0	1095.0	148.0
57.5°	3162.0	3132.4	3100.5	3173.4	3105.1	2875.2	2645.2	2451.7	2101.2	1106.4	109.3
60°	3266.7	3332.7	3398.7	3389.6	3264.4	3020.8	2777.3	2572.4	2137.6	1110.9	82.0
62.5°	3209.8	3423.8	3635.5	3549.0	3396.5	3139.2	2879.7	2681.7	2153.5	1108.6	63.7
65°	3002.6	3414.7	3824.4	3681.0	3489.8	3232.6	2975.3	2797.8	2171.7	1110.9	50.1
67.5°	2513.2	3196.1	3876.8	3785.7	3567.2	3294.0	3018.6	2875.2	2162.6	1101.8	41.0
70°	1573.0	2602.0	3630.9	3701.5	3567.2	3266.7	2966.2	2852.4	2080.7	1056.3	31.9
72.5°	667.0	1837.1	3007.2	3314.5	3407.8	3116.5	2825.1	2683.9	1905.4	965.2	25.0
75°	264.1	1056.3	1848.5	2335.6	2622.5	2499.5	2374.3	2185.4	1249.8	635.1	18.2
77.5°	177.6	482.6	787.7	1147.3	1368.1	1416.0	1463.8	1247.5	498.5	257.2	13.7
80°	118.4	193.5	268.6	412.0	491.7	464.4	434.8	357.4	152.5	82.0	11.4
82.5°	75.1	100.2	125.2	141.1	145.7	104.7	63.7	52.4	18.2	13.7	6.8
85°	50.1	59.2	68.3	70.6	70.6	50.1	27.3	13.7	6.8	6.8	4.6
87.5°	13.7	15.9	15.9	15.9	11.4	9.1	6.8	4.6	4.6	4.6	4.6
90°	6.8	9.1	9.1	9.1	6.8	6.8	4.6	4.6	4.6	4.6	4.6

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	755.8	755.8	755.8	755.8	755.8	755.8	755.8	755.8	755.8	755.8	755.8
2.5°	744.4	744.4	742.1	739.8	739.8	737.6	714.8	689.8	667.0	642.0	639.7
5°	701.1	669.3	639.7	610.1	605.5	598.7	598.7	596.4	596.4	594.2	594.2
7.5°	601.0	596.4	591.9	587.3	585.0	580.5	578.2	573.7	571.4	566.8	541.8
10°	455.3	443.9	443.9	441.6	446.2	450.7	448.5	443.9	473.5	503.1	500.8
12.5°	405.2	428.0	407.5	384.7	391.5	396.1	402.9	409.8	407.5	402.9	368.8
15°	407.5	357.4	341.5	323.3	332.4	339.2	280.0	218.5	207.2	195.8	182.1
17.5°	380.2	364.2	352.8	339.2	259.5	177.6	159.4	141.1	125.2	107.0	104.7
20°	384.7	311.9	291.4	268.6	207.2	145.7	111.5	77.4	68.3	59.2	68.3
22.5°	375.6	364.2	266.3	168.5	125.2	82.0	68.3	52.4	56.9	61.5	61.5
25°	352.8	245.9	191.2	136.6	95.6	52.4	54.6	54.6	50.1	43.3	47.8
27.5°	382.4	270.9	173.0	72.8	63.7	52.4	47.8	41.0	41.0	41.0	38.7
30°	441.6	236.8	148.0	59.2	50.1	41.0	38.7	36.4	34.1	29.6	31.9
32.5°	418.9	200.3	125.2	50.1	43.3	36.4	31.9	27.3	27.3	27.3	27.3
35°	380.2	127.5	86.5	43.3	36.4	29.6	27.3	22.8	22.8	22.8	22.8
37.5°	355.1	82.0	59.2	34.1	29.6	25.0	22.8	18.2	18.2	18.2	20.5
40°	334.6	56.9	43.3	29.6	25.0	18.2	15.9	13.7	15.9	15.9	15.9
42.5°	305.0	47.8	36.4	25.0	20.5	15.9	13.7	11.4	13.7	13.7	13.7
45°	266.3	43.3	31.9	20.5	18.2	13.7	11.4	9.1	11.4	11.4	11.4
47.5°	214.0	36.4	27.3	18.2	15.9	11.4	11.4	9.1	9.1	9.1	9.1
50°	166.2	34.1	25.0	15.9	13.7	9.1	9.1	6.8	9.1	9.1	9.1
52.5°	120.7	29.6	22.8	13.7	11.4	6.8	6.8	6.8	6.8	6.8	6.8
55°	86.5	25.0	18.2	11.4	9.1	6.8	6.8	4.6	6.8	6.8	6.8
57.5°	66.0	22.8	15.9	9.1	6.8	4.6	4.6	4.6	4.6	4.6	4.6
60°	52.4	20.5	15.9	9.1	6.8	4.6	4.6	2.3	4.6	4.6	4.6
62.5°	41.0	15.9	13.7	9.1	6.8	4.6	4.6	2.3	4.6	4.6	4.6
65°	31.9	13.7	11.4	6.8	4.6	2.3	2.3	2.3	4.6	4.6	4.6
67.5°	27.3	11.4	9.1	6.8	4.6	2.3	4.6	4.6	4.6	4.6	4.6
70°	22.8	11.4	9.1	6.8	4.6	2.3	4.6	4.6	6.8	6.8	4.6
72.5°	18.2	9.1	6.8	4.6	4.6	2.3	4.6	4.6	6.8	6.8	4.6
75°	13.7	6.8	6.8	4.6	4.6	2.3	4.6	6.8	6.8	6.8	4.6
77.5°	11.4	6.8	6.8	4.6	4.6	2.3	4.6	6.8	6.8	6.8	6.8
80°	9.1	4.6	4.6	4.6	2.3	0.0	4.6	9.1	9.1	6.8	6.8
82.5°	6.8	4.6	4.6	4.6	2.3	0.0	4.6	9.1	9.1	6.8	6.8
85°	4.6	4.6	4.6	4.6	4.6	2.3	6.8	9.1	9.1	6.8	6.8
87.5°	4.6	4.6	4.6	4.6	4.6	2.3	4.6	6.8	6.8	6.8	6.8
90°	4.6	4.6	6.8	6.8	4.6	2.3	4.6	6.8	6.8	6.8	6.8

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	755.8	755.8	755.8	755.8
2.5°	635.1	639.7	642.0	637.4
5°	591.9	591.9	589.6	596.4
7.5°	514.5	500.8	484.9	473.5
10°	496.3	484.9	473.5	475.8
12.5°	332.4	298.2	264.1	275.5
15°	168.5	159.4	150.2	150.2
17.5°	100.2	91.1	79.7	82.0
20°	75.1	75.1	75.1	75.1
22.5°	59.2	56.9	52.4	50.1
25°	50.1	50.1	50.1	50.1
27.5°	36.4	36.4	34.1	31.9
30°	31.9	31.9	31.9	29.6
32.5°	25.0	27.3	27.3	27.3
35°	22.8	22.8	22.8	22.8
37.5°	20.5	20.5	18.2	18.2
40°	15.9	15.9	15.9	15.9
42.5°	13.7	13.7	13.7	13.7
45°	11.4	11.4	11.4	11.4
47.5°	9.1	9.1	9.1	9.1
50°	9.1	9.1	6.8	6.8
52.5°	6.8	6.8	4.6	4.6
55°	4.6	4.6	4.6	4.6
57.5°	4.6	4.6	2.3	2.3
60°	4.6	4.6	2.3	2.3
62.5°	2.3	2.3	2.3	2.3
65°	2.3	2.3	0.0	0.0
67.5°	2.3	2.3	0.0	0.0
70°	2.3	2.3	0.0	0.0
72.5°	2.3	2.3	0.0	0.0
75°	2.3	2.3	0.0	0.0
77.5°	4.6	2.3	0.0	0.0
80°	4.6	4.6	2.3	0.0
82.5°	4.6	4.6	2.3	0.0
85°	4.6	4.6	2.3	0.0
87.5°	4.6	4.6	2.3	0.0
90°	4.6	4.6	2.3	0.0

(END OF REPORT)